Fire Control 3B

Structural Firefighting in Live Fire Simulators

Primary Instructor Position Task Book

(Simulated Cover Sheet)

January 2008

Codes:

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QUALIFICATION RECORD
POSITION: FIRE CONTROL 3B – PRIMARY INSTRUCTOR TRAINEE

Course Guide Section	MODULE 1: Inspection and approval	CODE	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
	TASK 1: Inspection and Identification			
3	1. Determine type of simulator • Gas fired • Class "A" fueled	I		
3	2. Select location for mobile Prop • Clearances • Power needs • Water supply	I		
3	3. Establish fuel supply or refilling procedures	I		
3	4. Inspect the simulator. • Stability • Inspection records and documents • Floors • Walls • Shutters • Fans • Windows • Doors/Exits • Stairways • Shutoffs • Shutdown devices	I		

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	• Heat sensors • Electronic igniters • Computer			
3	5. Identify limitations • Heat tolerance • Heat evacuation • Number of students • Fire flow	I		
3	6. Identify potential hazards • Sharp objects • Trip hazards • Electrical hazards	I		
3	7. Inspect stairs and stair wells	I		
3	8. Identify window types	I		
3	9. Identify doors • Interior • Exterior • Direction of swing	I		
3	10. Secure fire suppression systems	I		
10, 12, 13,	11. Determine exiting ability	I		

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14				
5	12. Identify exposures	I		
4	13. Identify overhead wires	I		
4	14. Identify vegetation exposures	I		
4	15. Identify vehicles	I		
4	27. Evaluate local weather	I		
4	28. Identify utilities	I		
4	29. Identify railroad impact	I		
4,5	30. Evaluate airports or flight paths	I		
4	31. Identify septic tanks	I		
10	32. Determine a traffic flow plan	I		

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10	33. Identify parking locations	I		

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Course Guide Section	MODULE 2: Documentation, and Notification	CODE	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
	TASK 2: Documentation and Notification			
5, 6	1. Establish contact with local AQMD authority	I		
5, 6	2. Determine local regulations governing live fire training	I		
6	3. Provide copies of documentation to AQMD, State EPA, and Fed EPA if neccessary	I		
5	4. Obtain variance from AQMD (if required to burn on a no burn day)	I		
7	5. Notify all neighboring properties that have a potential of being affected by the burn. Notification must be in writing 10 days prior to the burn.	I		
6	6. SFT course request	I		
6	7. Fit test documentation for all students	I		
6	8. Department letter of approval for training	I		
7	9. Completed documentation and notifications as outlined in Section's 6 and 7 of course guide	I		
10	10. Burn site map	I		

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Appendix B	12. Identify & Designate the Command Staff	I		
Appendix B	13. Develop an ICS 202 – Incident Objectives	I		
Appendix B	14. Develop an ICS 203 - Organizational Assignments	I		
Appendix B	15. Develop an ICS 204 - Division/Group Assignments	I		
Appendix B	16. Develop an ICS 205 – Communication Plan	I		
Appendix B	17. Develop an ICS 206 – Medical Plan	I		
Appendix B	18. Develop an ICS 207 – Organizational Diagram	I		
Appendix B	19. Develop an ICS 211 - Check in Recorder List	I		
Appendix B	20. Develop an ICS 214 – Unit Log	RX		
Appendix B	21. Develop a Traffic Plan	I		
Appendix B	22. Develop an ICS-226 for all	RX		

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	Primaries			

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Course Guide Section	MODULE 3: LIVE FIRE EXCERSISES	CODE	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
	TASK 1: FIRE BEHAVIOR EXERCISE	RX		
12	1. Select and pre-plan behavior room	RX		
12	2. Identify ventilation needs	RX		
12	3. Build behavior crib (document ICS form #214)	RX		
12	4. Line placement	RX		
12	5. Instructor briefing	RX		
12	6. Position students	RX		
12	7. Discuss inherent safety of the room • Exiting Strategies	RX		
12	8. Speaking Points	O		

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	• Phases of fire • Factors influencing fire behavior • Heat indicators • Thermal layering / balance • Steam production / management • Flammable gas production • Flashover indicators • Rollover • Ventilation / air flow			
12	9. Demonstrate stream management	RX		
12	10. Demonstrate steam production	RX		
12	11. Demonstrate thermal layer management	RX		
12	12. Demonstrate production of fire gases	RX		
12	13. Demonstrate heat indicators	RX		
12	14. Critique behavior evolution	RX		
	TASK 2: INTERIOR ATTACK EXERCISE	RX		

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15	1. Pre-plan all interior attack locations	RX		
15	2. Identify load locations	RX		
15	3. Identify ventilation needs	RX		
15	4. Pre burn walk through with students	RX		
15	5. Discuss safety aspects of interior attack • Exit strategy	RX		
15	6. Instructor briefing	RX		
15	7. Line placement • Loops and kinks	RX		
15	8. Discuss and demonstrate production of fire gases	RX		
15	9. Discuss and demonstrate heat travel	RX		

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15	10. Discuss and demonstrate thermal layer	RX		
15	11. Discuss and demonstrate stream use	RX		
15	12. Discuss and demonstrate steam production	RX		
15	13. Discuss and demonstrate barriers and heat shielding	RX		
15	14. Discuss and demonstrate extinguishment and overhaul of interior fires	RX		
15	15. Critique interior evolution	RX		
	TASK 3: EXTERIOR ATTACK EXERCISE	RX		
17	1. Pre-plan all exterior attack positions	RX		
17	2. Identify load locations	RX		
17	3. Identify ventilation needed	RX		

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17	4. Instructor briefing	RX		
17	5. Pre burn walk through	RX		
17	6. Discuss safety aspects of exterior attack	RX		
17	7. Discuss burn plan with all personnel	RX		
17	8. Position attack lines	RX		
17	9. Assign and direct instructors	RX		
17	10. Discuss anticipated fire travel from exterior	RX		
17	11. Discuss and demonstrate exterior streams	RX		
17	12. Discuss and demonstrate exterior techniques	RX		
17	13. Critique exterior fire attack	RX		

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	TASK 4: FIRE CAUSE AND ORIGIN EXERCISE (May be done by local investigators)	/R		
16	1. Pre-plan sets and locations	RX		
16	2. Identify set locations	RX		
16	3. Discuss safety aspects of the evolution	RX		
16	4. Instructor briefing	RX		
16	5. Discuss and demonstrate origin identification	RX		
16	6. Discuss and demonstrate cause identification	RX		
16	7. Discuss and demonstrate evidence recognition	RX		
16	8. Discuss and demonstrate evidence preservation	RX		

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	TASK 5 : VENTILATION			
13	1. Discuss building construction types	I		
13	2. Discuss roof construction	RX		
13	3. Identify doors	RX		
13	4. Identify stairwells, stairs and landings	RX		
13	5. Discuss attics	RX		
14	6. Identify overhead wires	RX		
14	7. Develop resource needs list • Pike poles • Rubbish hooks • Chainsaws • Rotary saws • Spare fuel & oils • Spare chain and/or blades • Spare chainsaw bars • Tool kits	RX		

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	* Resources may be based on availability and agency preferences.			
14	8. Discuss ventilation plan • Need for pre-cut holes or strips? • Group size • Roof stability • Available roof • Vaulted ceilings or no attic Space • Student experience level • Over live fire operations? • Instructor to student ratio	RX		
14	9. Determine ladder needs • Placement • Height • Quantity	RX		
14	10. Confirm communications • Radio plan • Radio needs	RX		
	TASK 6: SCBA CONFIDENCE COURSE			
15	1. Room preparation • Address direction of door	RX		

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	swing • Remove overhead hazards			
15	2. Prop construction	RX		
15	3. Evaluate students SBCA proficiency	O		
15	4. Discuss survival techniques	O		
15	5. Discuss exit indicators • Light • Sounds • Hoselines • Airflow	O		
15	6. Discuss search techniques	O		
15	7. Brief all instructor staff / Identify safety officer	RX		
15	8. Identify and position tools • Hoseline (s) • Thermal Imaging Camera • Hand tools	RX		
15	9. Assign Accountability Officer	RX		

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15	10. Establish SCBA cleaning station (Optional)	RX		
15	11. Rapid Intervention Crew (If live fire) • Comprised of Instructional staff	RX		

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Course Guide Section	MODULE 4: POST BURN	CODE	EVALUATION RECORD #	EVALUATOR: Initial & date upon completion of task
	Task 1: SITE SECURITY			
	1. Perform a site survey			
	2. Inspect facility • Damage to props • Damage to equipment			
	3. Equipment accountability			
	4. Secure fuel source			
	5. Clean up • Coordinate with facility manager			
	6. Secure Props • Lock up • Power down • Log off			
	Task 2: Debriefing			
	1. Address the students • Questions • Post burn analysis • Follow-up information • Instructor staff input • Special needs and info			
	TASK 3: POST BURN DOCUMENTATION			
	1. Evaluations • ICS 226 for instructional staff			
	2. Noteworthy events • ICS 214			

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	3. Injury reports • See injury report form in Appendix B • To SFT within 2 days of the injury			
	4. Develop and ICS 201 - Incident Briefing	I		
	5. Completed SFT packet • ICS 226 • ICS 214 if necessary • Injury report • Class roster • Course request • Unused certificates • Scantrons			

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